Claims:

- 1. A single pass drilling apparatus comprising:
- an elongated drill steel (11) having a leading (12) and a trailing end (13) with reference to a drilling direction (F), said leading end (12) having a connection portion,
 - a one-piece drill bit (16) having rock machining means (17,18;17'18'), said drill bit being rigidly connected to the drill steel,
- 10 c h a r a c t e r i z e d i n that the single pass drilling apparatus (10) further comprises a rock bolt (21;121,221;321) adapted to at least partially enclose the drill steel (11) and in that the drill bit (16) and the rock bolt (21;121,221;321) are designed to allow the drill bit (16) to pass the rock bolt (21;121,221;321) during retraction of the drill bit.

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- 2. The single pass drilling apparatus according to claim 1, c h a r a c t e r i z e d i n that the greatest diametrical dimension (DB) of the drill bit (16) is smaller than the smallest diametrical dimension (DI) of the rock bolt and in that the one-piece drill bit (16) comprises a pilot part (14) and a reamer part (19) having spaced middle lines (CL1 and CL2, respectively).
- 3. The single pass drilling apparatus according to claim 2, c h a r a c t e r i z e d i n that the middle line (CL1) of the pilot part (14) substantially coincides with the center axis of the rock bolt during drilling.

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4. The single pass drilling apparatus according to claim 2, c h a r a c t e r i z e d i n that the middle line (CL2) of the reamer part (19) substantially coincides with the rotational axis of the leading end (12) of the drill steel (11).

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- 5. Use of a one-piece drill bit (16) that comprises a pilot part (14) and a reamer part (19) having spaced middle lines (CL1 and CL2, respectively) in a single pass drilling apparatus according to claim 1.
- 6. Method of single pass rock bolting comprising the following steps:
 - providing a single pass drilling apparatus (10) comprising: an elongated drill steel (11) having a leading (12) and a trailing end (13) with reference to a drilling direction (F), said leading end (12) having a connection portion,
- a one-piece drill bit (16) having rock machining means (17,18;17'18'), said drill bit being rigidly connected to the drill steel,
 - enclosing the drill steel at least partially with a rock bolt (21;121,221;321), said drill bit (16) and said rock bolt (21;121,221;321) being designed to allow the drill bit (16) to pass the rock bolt (21;121,221;321) during retraction of the drill bit,
- drilling a hole in a rock while pushing the rock bolt into said hole,
 retracting said drill steel and said drill bit through the rock bolt.
 - 7. The method according to claim 6, wherein the method comprises the further step of providing the drill bit (16) as a one-piece drill bit comprising a pilot part (14) and a reamer part (19) having spaced middle lines (CL1 and CL2, respectively).
 - 8. A rock bolt for a single pass drilling apparatus as defined in claim 1, said rock bolt (221) having a partly tube shaped body having a leading end and a trailing end, said trailing end having a washer and a washer stop means, said rock bolt (221) being fluid expansible,
 - characterized in that the rock bolt (221) is substantially semi-circular and designed as a general U-shape to allow passage of a drill bit rigidly connected to a drill steel.
 - 9. The rock bolt according to claim 8, characterized in that ends (221A,221B) in a radial cross-section of the rock bolt are substantially diametrically opposite to each other.